

PTO/SB/90 (04-05)  
Approved for use through 11/30/2005. OMB 0651-0035  
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**POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO**

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b)

I hereby appoint:

☒ Practitioners associated with Customer Number:

23,446

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number

23,446

OR

<input type="checkbox"/> Firm or Individual Name			
Address			
City	State	Zip	
Country			
Telephone			Email

Assignee Name and Address:

Broadcom Corporation  
16215 Alton Parkway  
P.O. Box 57013  
Irvine, CA 92619-7013

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record	
The individual whose signature and title is supplied below is authorized to act on behalf of the assignee	
Signature	Date 1/24/06
Name Dee Henderson	Telephone (949) 926-5958
Title Senior Manager, Intellectual Property Administration	

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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TO: Commissioner For Patents

FAX NO.: (571) 273-8300

FROM: Kevin E. Borg

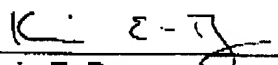
USER ID: 8132

CLIENT: 1772

MATTER: 17390US01

Number of Pages This Transmission (Including Cover Page): 6

I hereby certify that the attached Transmittal Form, Statement Under 37 CFR 3.73 (b), Power of Attorney and Executed Assignment from Athena Semiconductors to Broadcom Corporation (including Exhibit A) are being facsimile transmitted to the United States Patent and Trademark Office.

 June 20, 2006  
Kevin E. Borg Date  
Reg. No. 51,486

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PTO/SB/21 (09-04)

Approved for use through 7/31/2006

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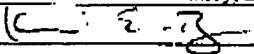
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	09/911,764
		Filing Date	July 26, 2001
		First Named Inventor	Apostolis Papathanasiou
		Art Unit	2193
		Examiner Name	DO, Chat C.
Total Number of Pages in This Submission	5	Attorney Docket Number	17390US01

**ENCLOSURES (check all that apply)**

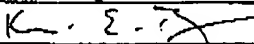
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input checked="" type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Return-Receipt Postcard <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Statement Under 37 CFR 3.73 (b) and Copy of Executed Assignment (including Exhibit A) from Athena Semiconductors, Inc. to Broadcom Corporation
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm	McAndrews Held & Malloy, Ltd.
Signature	
Printed Name	Kevin E. Borg Reg. No. 51,486
Date	June 20, 2006

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 20, 2006.

Name (Print/type)	Kevin E. Borg	Registration No. (Attorney/Agent)	51,486
Signature		Date	June 20, 2006

PTO/SB/96 (12-05)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Apostolis PapathanasiouApplication No./Patent No./Control No.: 09/911,764 Filed/Issue Date: July 25, 2001Entitled: Adaptive Filter For Communication SystemBroadcom Corporation

(Name of Assignee)

, a corporation

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title, and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel, Frame, or a true copy of the original assignment is attached.

OR

- B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

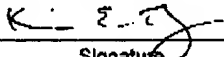
1. From: PAPATHANASIOU, Apostolis To: Hermes Technologies S.A.  
The document was recorded in the United States Patent and Trademark Office at Reel 012027, Frame 0462, or for which a copy thereof is attached.
2. From: Hermes Technologies S.A. To: Hermes Wireless Group  
The document was recorded in the United States Patent and Trademark Office at Reel 014982, Frame 0363, or for which a copy thereof is attached.
3. From: Hermes Wireless Group To: Athena Semiconductors, Inc.  
The document was recorded in the United States Patent and Trademark Office at Reel 015507, Frame 0640, or for which a copy thereof is attached.
4. From: Athena Semiconductors, Inc. To: Broadcom Corporation  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.

(NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08)

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

  
Signature

Kevin E. Borg

Reg. No. 51,486

Printed or Typed Name

Attorney/Agent of Record

Title

June 20, 2006

Date

312-775-8000

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**ASSIGNMENT**


This Assignment is made and effective as of the 5<sup>th</sup> day of October, 2005, by ATHENA SEMICONDUCTORS, INC., a company organized and existing under the laws of Delaware (hereinafter referred to as the "ASSIGNOR"), and BROADCOM CORPORATION, a company organized and existing under the laws of California (hereinafter referred to as the "ASSIGNEE").

ASSIGNOR was the surviving corporation in a merger between the ASSIGNOR and ASTATINE ACQUISITION CORP., a Delaware corporation, and is the owner of the entire right, title and interest in and to the United States Patents and Patent Applications listed in Exhibit A (hereinafter collectively referred to as the "Assigned Patents and Patent Applications").

In consideration of good and valuable considerations, the receipt and sufficiency whereof are hereby acknowledged, ASSIGNOR hereby assigns to ASSIGNEE, its successors and assigns, the entire right, title and interest in the invention or improvements disclosed in the Assigned Patents and Patent Applications, both United States and foreign, which either ASSIGNOR has filed or ASSIGNEE may file, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any continuation, continuation-in-part, divisional, re-examination, reissue or extension of such applications or patents, and further assigns to said assignee the priority right provided by the International Convention. This assignment shall specifically include, without limitation, rights to collect damages and payments for past, present or future infringements or misappropriations of any Assigned Patent or Patent Application, if applicable.

The undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE.

WITNESS my hand this 22<sup>nd</sup> day of May, 2006

By:   
**Dee Henderson**  
Senior Manager Intellectual Property Administration  
Title: \_\_\_\_\_

**EXHIBIT A**

**Assigned Patents**

7,012,473

6,909,292

**Assigned Patent Applications**

10/774,116

11/103,329

10/773,610

10/773,804

10/654,199

10/623,097

09/911,764

10/286,660

10/347,056